#### PROCEEDINGS

OF THE

# BIOLOGICAL SOCIETY OF WASHINGTON

# DESCRIPTIONS OF TWENTY NEW SPECIES AND A NEW SUBGENUS OF *PEROMYSCUS* FROM MEXICO AND GUATEMALA.

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The enormous collection of mice of the genus Peromyscus made in Mexico and Guatemala by Mr. E. W. Nelson and his assistant, Mr. E. A. Goldman, contains many novelties, some of which are here described. Two of the new species, the largest vet discovered, are separated subgenerically under the name Megadontomys. Seven of the others belong to a well marked group distinguished by rather large size, long, soft and very dense fur, dark color, and a general agreement in cranial and dental characters.\* It is but a step from P. quatemalensis of this series to totonteneeus of the mexicanus series, and another step covers the related tehuantepeeus and oakacensis. Three others (felipensis, gratus, and levipes) belong to the truei-difficilis group, of which P. hylocetes may be an aberrant member, and one (musculoides) is distantly connected with the leucopus series. Standing widely apart from all of these is P. mekisturus, an extraordinary long-tailed animal, perhaps arboreal, from the mountain slope at Chalchicomula, Puebla.

# Subgenus MEGADONTOMYS nobis,

Type, Peromyscus (Megadontomys) thomasi sp. nov., from Mts. near Chilpancingo, Guerrero, Mexico.

Characters.—Size large (the two known species as large as roof rats); ears and tail long and very scantily haired; pelage long, soft, and very dense.

<sup>\*</sup>The new species in the series in question are: zahrynchus, guatematensis, lepturus, and the slightly divergent megalops, auritus, and comptus.

Skull similar in general to that of *Peromyscus*, but very large and massive; rostrum and nasals much produced, the latter expanded anteriorly and projecting far beyond incisors. Molars very large and heavy (the upper series in type species measuring 6.4 mm.), with short tubercles which wear off while the animal is still young, leaving flat crowns; 1st and 2d lower molars with a supplementary narrow enamel loop on each side; 3d lower molar with 3 salient and 2 renëtrant angles on each side. Plantar tubercles 7. Mammæ 6: pectoral  $\frac{1}{4}$ , inguinal  $\frac{2}{2}$ .

## Peromyscus (Megadontomys) thomasi sp. nov.

Type from Mts. near Chilpaneingo, Guerrero, Mexico (alt. 9700 ft.). No. 70142, ♂ old, U. S. Nat. Mus., Biological Survey Coll. Collected Dec. 24, 1894, by E. W. Nelson and E. A. Goldman. Orig. No 7250.

Characters.—Size very large; ears large and nearly naked; tail very long (longer than head and body) and nearly naked; whiskers large and long, reaching shoulders; hind foot very long (34 mm.); pelage long and rather coarse. Similar to nelsoni, but more fulvous.

Color.—End of nose black; upper parts from nose to tail fulvous, brightest and purest on cheeks and sides, darkest and abundantly mixed with black hairs on back; a blackish ring round eye; under parts white, the basal plumbeous fur showing through; pectoral region in some specimens suffused with salmon-fulvous; fore and hind feet white; ankles blackish.

Cranial and dental characters.—Skull very much elongated, particularly the rostrum and nasals; nasals produced and expanded anteriorly; supraorbital ridges strongly developed; anteorbital vacuities drawn out on side of rostrum and only slightly notching root of zygoma; interparietal very large and broad, subtriangular; incisive foramina very large; postpalatal notch broad. Molars large with flat crowns (except in young), measuring about 6.5 mm.; crown of last lower molar elongate with enamel much convoluted, presenting 3 salient and 2 reëntrant angles on each side. So far as known species are concerned, the skull of thomasi requires comparison with only a single species—nelsoni. It differs from nelsoni in greater massiveness, in the possession of prominent supraorbital ridges, and in the stronger development of the posterior reëntrant angle of the last lower molar.

Measurements.—Type specimen: Total length 350; tail yertebræ 188: hind foot 34. Average of 7 specimens from type locality: Total length 330; tail yertebræ 175; hind foot 32.8.

# Peromyscus (Megadontomys) nelsoni sp. nov.

Type from Jico, Vera Cruz, Mexico (alt. 6000 ft.). No. 55024, ♀ ad., U. S. Nat. Mus., Biological Survey Coll. Collected July 10, 1893, by E. W. Nelson. Orig. No. 5202.

Characters.—Size large; ears large and nearly naked; tail very long and scantily haired. Similar to thomasi, but darker and less fulvous; skull lacking the supraorbital beads.

Color.--Upper parts grayish brown, becoming dusky on nose, around

eyes, and along middle of back; under parts white, the plumbeous basal fur showing through; wrists, ankles, and tail dusky; fore feet white; hind feet whitish strongly clouded with dusky.

Cranial characters.—Skull like that of thomasi, but less massive, lacking the supraorbital ridges, and with the posterior recentrant angle on inner side of  $m_{\overline{3}}$  less pronounced. In thomasi the supraorbital ridges slightly overhang the orbits so that they intercept the dividers in taking the interorbital breadth; in nelsoni the upper surface of the frontal interorbitally is so much narrower that in taking this measurement the dividers rest on the vertical plane of the orbit about 2 mm. below the top of the frontal.

Measurements.—Type specimen: Total length 302; tail vertebræ 172; hind foot 35. Average of 2 specimens from type locality: Total length 310; tail vertebræ 171; hind foot 33.5.

#### Peromyscus zarhynchus sp. nov.

Type from Tumbala, Chiapas, Mexico. No. 76119, ♀ ad., U. S. Nat. Mus., Biological Survey Coll. Collected Oct. 20, 1895, by E. W. Nelson and E. A. Goldman. Orig. No. 8606.

Characters.—Size very large; ears large and nearly naked; tail very long and appearing naked; hind feet long and slender; coloration dark.

Color.—Upper parts dusky, becoming seal brown on sides (sometimes chestnut fulvous on flanks); under parts whitish, the plumbeous basal furshowing through; pectoral region strongly washed with chestnut, the chestnut suffusion sometimes spreading over belly; tail (skin) dusky above, yellowish white below; fore and hind feet whitish, the latter slightly clouded.

Cranial characters.—Skull very large and long with exceedingly elongated rostrum; small audital bulke; weak and slender zygomata; zygomata narrow anteriorly, and only slightly notehed by anteorbital slit, which is drawn out on side of rostrum as in Meyadontomys. The skull resembles that of Megadontomys nelsoni in size and general appearance, but is distinguishable by the much greater length of rostrum and incisive foramina, narrower interparietal, less flaring nasals, and much smaller molar teeth. It does not require close comparison with any known species.

Measurements.—Type specimen: Total length 324; tail vertebræ 176; hind foot 35. Average of 13 specimens from type locality: Total length 314; tail vertebræ 169; hind foot 35.4.

# Peromyscus zarhynchus cristobalensis subsp. nov.

Type from San Cristobal, Chiapas, Mexico. No. 76109, ♀ ad., U. S. Nat. Mus., Biological Survey Coll. Collected Oct. 2, 1895, by E. W. Nelson and E. A. Goldman. Orig. No. 8536.

Characters.—Similar to P. zarhynchus from Tumbala, but paler and more fulvons, with slightly smaller skull.

Color.—Upper parts dusky brown, becoming dusky on nose, around eyes, and along middle of back and everywhere mixed with fulvous tipped

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hairs, the fulvous predominating on cheeks and sides; under parts, feet, and tail as in *P. zarhynchus*.

Cranial characters.—Skull similar to that of *P. zarhynchus*, but slightly shorter (averaging 30-31 instead of 32-33), with braincase broader and zygomata stronger and more spreading anteriorly.

Measurements.—Type specimen: Total length 322; tail vertebrae 170; hind foot 34. Average of 10 specimens from type locality: Total length 312; tail vertebrae 166; hind foot 33.8.

#### Peromyscus guatemalensis sp. nov.

Type from Todos Santos, Guatemala (alt. 10,000 ft.). No. 76861, ♂ ad., U. S. Nat. Mus., Biological Survey Coll. Collected Dec. 31, 1895, by E. W. Nelson and E. A. Goldman. Orig. No. 8991.

Characters.—Size medium (larger than mexicanus, but decidedly smaller than zurhyncus); tail long and scantily haired; ears medium; fur long, soft, and lax; color very dark.

Color.—Upper parts dusky, finely mixed with grayish; an ill defined blackish band from side of nose to ear; cheeks and flanks dull brownish fulvous; under parts white, the plumbeous basal fur showing through; a salmon fulvous pectoral patch; wrists and ankles blackish; fore feet white; hind feet dusky at base, then white; tail dusky, irregularly paler below (sometimes white or yellowish). Some specimens have the middle part of the back nearly black and much blackish on nose. Specimens from Pinabete, Chiapas, agree closely with those from the type locality. Specimens from Calel, Zuñil, and Volcan Santa Maria, Guatemala, are somewhat paler.

Cranial characters.—Skull and rostrum large and elongate, intermediate in size between mericanus and cristobalensis; audital bulke as in the latter (decidedly larger than in mericanus).

Measurements.—Type specimen: Total length 273; tail vertebræ 141; hind foot 31. Average of 10 specimens from type locality: Total length 268; tail vertebræ 138; hind foot 30.5.

# Peromyscus lepturus sp. nov.

Characters.—A miniature of *P. quatematensis*: size small (smaller than *mexicanus*); ears medium and nearly naked; tail about as long as head and body, slender and rather scantily haired; molars large; fur long and rather soft; color dark.

Color.—Upperparts brownish with a broad dusky dorsal area, becoming brownish-fulvous on cheeks and sides; nose and ring round eye dusky; underparts, fore feet, and small spot on end of nose whitish; wrists and ankles dusky; hind feet clouded with dusky, toes white; tail dusky above, paler below. Other specimens are so much darker as to appear dusky all over when seen from above, although the sides are always more or less brownish.

Cranial and dental characters.—Skull small and short (compared with others of the series); braincase rather broadly rounded and flattened; zygomata weak and not strongly notched by anteorbital slit; audital bulke small but slightly larger than in the decidedly larger P. mexicanus; molars slightly larger than in mexicanus and series of same length, though narrower than, in the allied but very much larger P. quatemalensis.

Measurements.—Type specimen: Total length 238; tail vertebre 114; hind foot 28. Average of 5 specimens from type locality: Total length 230; tail vertebre 112; hind foot 27.3.

Remarks.—P. lepturus might easily be mistaken for the young of the dark form of mexicanus (totontepecus) which also occurs on Mt. Zempoal-tepec, but a glance at the skulls is sufficient to distinguish them, that of P. lepturus being hardly three-fourths as large as totontepecus while its molar teeth are even larger than those of totontepecus.

#### Peromyscus megalops sp. nov.

Type from Mts. near Ozolotepec, Oaxaca, Mexico. No. 71592, ♂ old, U. S. Nat. Mus., Biological Survey Coll. Collected March 26, 1895, by E. W. Nelson and E. A. Goldman. Orig. No. 7733.

Characters.—Size rather large; ears rather short; tail long and scantily haired; fur long and soft; coloration dark with a rich chestnut fulvous suffusion.

Color.—Upperparts finely mixed black and dark fulvous, the black predominating between ears and along back; the salmon-fulvous predominating on sides and cheeks; underparts whitish, the plumbeous basal fur showing through; pectoral region salmon-fulvous; wrists and ankles dusky; fore feet whitish; hind feet clouded.

Cronial characters.—Skull large and long, resembling that of guatemalensis in size and general characters but audital bulke decidedly smaller; incisive foramina much more widely open; frontals conspicuously broader and developing a distinct supraorbital bead.

Measurements.—Type specimen: Total length 282; tail vertebrae 150; hind foot 31. Average of 5 specimens from type locality: Total length 278; tail vertebrae 147; hind foot 31.

# Peromyscus auritus sp. nov.

Type from Mts. 15 miles west of Oaxaca, State of Oaxaca, Mexico. No. 68438, ♀ old, U. S. Nat. Mus., Biological Survey Coll. Collected Sept. 17, 1894, by E. W. Nelson and E. A. Goldman. Orig. No. 6795.

Characters.—Similar to P. megalops, but ears and audital bulke very much larger and coloration duller. Similar to P. guatemalensis, but paler and less fulvous, and frontal much narrower between orbits.

Color.—Upper parts grayish brown, becoming dusky on sides of nose, around eyes, and on back, with a pale dull fulvous wash on cheeks and sides; under parts whitish, the plumbeous basal fur showing through; wrists and ankles dusky; fore and hind feet whitish; tail dusky above, whitish beneath.

Cranial characters.—Skull similar to that of auritus, but audital bulke larger; nasals longer and more pointed posteriorly (exceeding premaxille), and incisive foramina less broadly open. Similar to guatemulensis, but frontal very much broader between orbits and with a distinct supraorbital bead.

Measurements.—Type specimen: Total length 288; tail vertebræ 148; hind foot 30.5. Average of 4 specimens from type locality: Total length

281; tail vertebræ 148; hind foot 31.5.

#### Peromyscus comptus sp. nov.

Characters.—Size rather large; ears large; tail rather long and scantily haired; fur long and relatively harsh; color in winter pelage bright golden-fulyous. Similar to P. auritus, but pelage coarser and color much more fulyous, with much less blackish on nose and side of face, and much

whiter belly.

Color.—(Adults in Dec.): Upper parts from nose to tail rich goldenfulvous, the back and rump liberally lined with black hairs; black on nose reduced to a very small spot on top and a spot at base of whiskers; blackish ring round eye very small; under parts milk-white, sometimes tinged with yellowish; wrists and ankles dusky; fore feet white; hind feet whitish, more or less clouded; tail dusky above, whitish below.

Cranial characters.—Skull like that of auritus, but rostrum and nasals shorter, the latter less pointed behind; molars slightly smaller.

Measurements.—Type specimen: Total length 285; tail vertebre 150; hind foot 31. Average of 10 specimens from type locality: Total length 273; tail vertebre 143; hind foot 30.4.

# Peromyscus mexicanus totontepecus subsp. nov.

Type from Totontepec, Oaxaca. Mexico (alt. 6500 ft.). No. 68624, ♀ ad., U. S. Nat. Mus., Biological Survey Coll. Collected July 16, 1894, by E.W. Nelson and E. A. Goldman. Orig. No. 6465.

Characters.—Similar to P. mexicanus, but larger and darker, with slightly shorter ears and denser fur.

Color.—Upper parts dusky brown becoming dull fulvous-brown on cheeks and sides; under parts whitish, the plumbeous basal fur everywhere showing through; a salmon pectoral patch sometimes present; fore feet whitish; ankles and basal part of hind feet dusky, rest of hind feet whitish; tail dusky above, irregularly whitish or yellowish below. According to season, the prevailing color varies from dull fulyous-brown to dusky with a blackish dorsal area.

Cranial characters.—Skull like that of mexicanus, but interparietal and audital bulke averaging larger, and anterior root of zygoma even less notched by anteorbital slit.

Measurements,—Type specimen: Total length 261; tail vertebræ 136;

hind foot 28. Average of 10 specimens from type locality: Total length 254; tail vertebra 130; hind foot 28.6.

Remarks.—This animal is only a mountain form of mexicanus, which it closely resembles. It differs far more from the geographically nearer mexicanus orizabæ than from true mexicanus.

#### Peromyscus mexicanus saxatilis subsp. nov.

Type from Jacaltenango, Huehuetenango, Guatemala. No. 77296, 3 ad., U. S. Nat. Mus., Biological Survey Coll. Collected Dec. 19, 1895, by E. W. Nelson and E. A. Goldman. Orig. No. 8824.

Characters.—Similar to P. mexicanus, but paler, upper parts more distinctly lined with black hairs, under parts whiter.

Color.—Upper parts grayish fulvous (in some specimens fulvous), everywhere conspicuously lined with black hairs, which on middle of back form a distinctly darker area; cheeks and sides fulvous, usually pale; face between eyes grayish, slightly tinged with pale fulvous and grizzled by dark hairs; end of nose (except whitish tip), patch at base of whiskers, and narrow ring round eye blackish; under parts, including lips, wrists, and fore feet, white; ankles dusky; hind feet white; tail dusky above, irregularly whitish or yellowish below.

Cranial characters.—Skull like that of mexicanns, but with even less distinct supraorbital beads, smaller incisive foramina, and smaller molars.

Measurements.—Type specimen: Total length 238; tail vertebræ 122; hind foot 27.5. Average of 10 specimens from type locality: Total length 245.5; tail vertebræ 127.5; hind foot 27.5.

# Peromyscus mexicanus orizabæ subsp. nov.

Characters.—Size medium; ears large and nearly naked: tail long and nearly naked: coloration dark. Skull with broadly spreading zygomata. Similar to P. mexicanus, but differing in slightly larger size, decidedly longer tail and hind feet, slightly more white on hind feet, and decidedly more spreading zygomata.

Color.—Upper parts: top of head and back dusky scal-brown from intimate mixture of black and chestnut, the black predominating and shading into dull chestnut-fulvous on sides and cheeks; top and sides of nose and ring round eye dusky; underparts, including lips, wrists, and fore feet, white; ankles dusky; hind feet whitish, clouded basally with dusky; a pale salmon suffusion on pectoral region, sometimes extending over breast; tail dusky above, irregularly whitish or yellowish below.

Cranial characters.—Skull like that of mericanus, but zygomata decidedly stronger, more squarely and widely spreading anteriorly, and more deeply notched by anteorbital slits; the vertical lamina on outer side of slit much more prominent.

Measurements.—Type specimen: Total length 257: tail vertebre 139;

hind foot 29.5. Average of 10 specimens from type locality: Total length 258; tail vertebrae 138; hind foot 29.

## Peromyscus tehuantepecus sp. nov.

Type from Tehuantepec, Oaxaca, Mexico. No. 75302, ♂ ad., U. S. Nat. Mus., Biological Survey Coll. Collected May 23, 1895, by E. W. Nelson and E. A. Goldman. Orig. No. 7980.

Characters.—Size medium; ears medium and nearly naked; tail medium, scantily haired; color brownish or buffy-fulvous. Similar to P. mexicanus, but very much paler and with distinctive cranial characters.

Color.—Upper parts pale brownish-fulvous, slightly darkened on back by admixture of black hairs, becoming pure buffy-fulvous on cheeks and sides; under parts and lips whitish, often tinged with yellowish or buffy and with a buffy-salmon suffusion on pectoral region; ankles dusky in front, the dusky reaching out a short distance on metatarsus; fore and hind feet whitish; tail dusky, its under side irregularly marked with yellowish.

Cranial characters.—Skull similar to that of mexicanus, but brainease and zygomata narrower; rostrum larger; interparietal decidedly larger.

Measurements.—Type specimen: Total length 243; tail vertebrae 124; hind foot 26. Average of 4 specimens from type locality: Total length 248.5; tail vertebrae 127; hind foot 27.

#### Peromyscus oaxacensis sp. nov.

Characters.—Size medium, about equalling P. mexicanus; ears medium and nearly naked; tail long and scant haired but decidedly more hairy than in mexicanus and its subspecies, from which it differs further in being sharply bicolor.

Color.—Upperparts from nose to tail dull fulvous, darkened on back by admixture of black hairs; a very narrow dusky ring round eye; underparts, lips, and fore feet white; ankles dusky; hind feet white except at extreme base, where dusky of ankles reaches down a short distance; tail dusky above, white below. Specimens from Mts. 15 miles west of Oaxaca show two pelages, one considerably darker than that here described.

Cranial and dental characters.—Skull similar to that of mexicanus, but postpalatal notch much broader; audital bulke larger;  $m^{\perp}$  narrower and less bellied on inner side behind anterior cusp;  $m_{\perp}$  with a supplementary parrow enamel loop on outer side in front of posterior cusp.

Measurements.—Type specimen: Total length 242; tail vertebræ 122; hind foot 27.

# Peromyscus felipensis sp. nov.

Characters.—Similar to P. difficilis Allen, but slightly larger and very much darker, with slightly smaller ears and much coarser pelage. Ears large and appearing naked; tail long and well haired; bicolor.

Color.—Upper parts dusky grayish; under parts, lips, and sides of nose white, the plumbeous basal fur showing through; pectoral region usually salmon; ring round eye dusky; ankles dusky; fore and hind feet white; tail bicolor, dusky above, whitish below.

Cranial characters.—Skull rather large; braincase well rounded; audital bulke large and inflated. Compared with P. difficilis the skull is slightly larger and the rostrum slightly heavier.

Measurements.—Type specimen: Total length 238; tail vertebrae 125; hind foot 27.5. Average of 10 specimens from type locality: Total length 241.5; tail vertebrae 127; hind foot 26.8.

#### Peromyscus gratus sp. nov.

Type from Tlalpam, Valley of Mexico. No. 50619, ♀, U. S. Nat. Mus., Biological Survey Coll. Collected Nov. 30, 1892, by E. W. Nelson. Orig. No. 3927.

Characters.—Size small; ears Targe; tail a little longer than head and body and well haired; color pale fulvous. Similar to P. truei, but more highly colored; ears shorter and tail longer.

Color.—Upper parts pale buffy-fulvous, everywhere darkened by admixture of black hairs; under parts milk-white; ankles dusky all round except along outer side of calcaneum, which is white; fore and hind feet white; tail dusky, indistinctly paler on under side.

Cranial characters.—Skull small; braincase very globular and smoothly rounded; frontals rather broad interorbitally, but without trace of supraorbital bead; rostrum small; zygomata rather weak but strongly notched by anteorbital slit; audital bulke very large and inflated. The skull resembles that of traci, but is smaller, with decidedly smaller rostrum and shorter palate.

Measurements.—Type specimen: Total length 200; tail vertebrae 114; hind foot 23. Average of 10 specimens from type locality: Total length 204; tail vertebrae 110.5; hind foot 22.8.

# Peromyscus levipes sp. nov.

Characters.—Size medium or rather small; ears rather large; tail slightly longer than head and body, well haired and bicolor. Similar to P. gratus, but color duller, tail sharply bicolor instead of only faintly paler below, and skull different.

Color.—Upper parts grayish-brown becoming pale buffy-fulvous on cheeks and lower sides; under parts and lips white with a salmon suffusion on pectoral region; ankles dusky; fore and hind feet white; tail dusky above, whitish below.

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Cranial characters.—Skull resembling that of *P. gratus*, but larger, braincase flatter; zygomata more spreading and less notehed by anteorbital slit; rostrum heavier as seen from below; audital bulke smaller; nasals longer.

Measurements.—Type specimen: Total length 200; tail vertebre 102; hind foot 23.5.

#### Peromyscus hylocetes sp. nov.

Type from Patzeuaro, Michoacan, Mexico (alt. about 8000 ft.). No. 50423,  $\bigcirc$  ad., U. S. Nat. Mus., Biological Survey Coll. Collected July 27, 1892, by E. W. Nelson and E. A. Goldman. Orig. No. 2961.

Characters.—Size medium; ears medium; tail shorter than head and

body well haired and sharply bicolor. Color grayish.

Color.—Upperparts buffy gray becoming buffy ochraceous on sides and with a broad dark dorsal area resulting from bountiful admixture of black hairs; underparts, lips, and fore feet whitish; wrists and ankles dusky, the color of latter spreading over basal part of hind foot; tail dusky above, white below.

Cranial characters.—Skull rather broad, and short, with moderately spreading zygomata and no supraorbital beads: braincase rather full and broadly rounded; audital bulke smaller than in the truci-difficilis group, but larger than in mexicanus and slightly larger than oaxacensis.

Measurements.—Type specimen: Total length 238; tail vertebre 114; hind foot 25. Average of 3 specimens from type locality: Total length 232; tail vertebre 112; hind foot 26

# Peromyscus musculoides sp. nov.

Type from Cuicatlan, Oaxaca, Mexico (alt. 1800 ft.). No. 69661, ♂ old, U. S. Nat. Mus., Biological Survey Coll. Collected Oct. 14, 1894, by E. W. Nelson and E. A. Goldman. Orig. No. 6892.

Characters.—Size a little larger than Mus musculus, which it greatly resembles; pelage short, close and rather coarse; ears rather short; tail shorter than head and body, moderately haired, bicolor.

Color.—Upperparts drab gray, becoming brownish on sides; underparts, lips and sides of nose milk-white; ankles dusky; fore and hind feet white; tail brownish above, whitish below.

Cranial characters.—Skull small; braincase rounded; frontals broad between orbits but without trace of 'bead'; zygomata strongly notched by anteorbital slits; audital bulle small.

Measurements.—Type specimen: Total length 187; tail vertebræ 88; bind foot 22.5. Average of 10 specimens from type locality: Total length 185; tail vertebræ 84.5; hind foot 22.5.

# Peromyscus mekisturus sp. nov.

Type from Chalchicomula, Puebla, Mexico (alt. 8400 ft.). No. 64108, ♀ ad., U. S. Nat. Mus., Biological Survey Coll. Collected March 16, 1894, by E. W. Nelson and E. A. Goldman. Orig. No. 5951.

Characters.—Size small; ears large; tail enormously elongated and moderately haired; fur long and soft; color gravish-fulyous.

Color.—Upper parts gray anteriorly, becoming more and more suffused with olivaceous-fulvous to the rump, which is pale fulvous; back slightly darkened by black hairs, but no dark dorsal area; nose gray, with a small whitish fleck on extreme tip; ring round eye dusky; under parts buffy-whitish, becoming buffy on pectoral region and whitish on chin, lips, and sides of nose; wrists dusky; fore feet white; front of ankles and upper two-thirds of metatarsus dusky; rest of hind feet, toes, and sides of ankles white; tail dusky, indistinctly paler below.

Cranial characters.—Skull small; rostium short and narrow; zygomata squarely but narrowly spreading anteriorly, the outer sides strongly convergent anteriorly; frontals narrow interorbitally without trace of supraorbital bead; braincase broad and rather flat; interparietal narrow; audital bulke small.

Measurements.—Type specimen: Total length 249; tail vertebræ 155; hind foot 24.

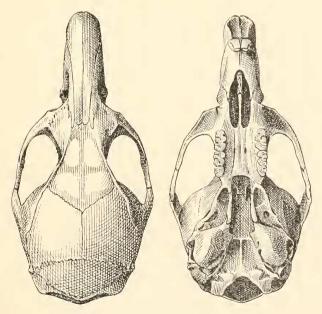


Fig. 20.—Skull of Megadontomys thomasi ( $\times$  1½). See page 115.